DT CURRICULUM MAP

Year 1

Year 1	Autumn	Spring	Summer
Theme/ Overview	Theme: Robots Design a robot out of a selection of a limited range of materials including experimenting with constructing and joining recycled, natural and manmade materials e.g. fabric, plastic, cardboard and malleable materials	Theme: Moving Picture Levers and Sliders Design a vehicle for Bob to explore the moon using a lever or slide to find different ways of making things move in a 2d plane	Theme: Fruit Kebabs Fruit Kebabs – Developing vocabulary, measuring and weighing food items, cutting, peeling and grating a range of fruits.
Design	Design purposeful, functional, appealing products based on design criteria Generate, develop, model and communicate their ideas through talking, drawing, templates, mock-ups and ICT and, where appropriate, information and communication technology • Describe what they want to do using pictures and words • Make lists of materials they will need • Can they think of some ideas of their own? • Can they explain what they are making? • Can they plan an outcome through pictures with labels?	Design purposeful, functional, appealing products based on design criteria Generate, develop, model and communicate their ideas through talking, drawing, templates, mock-ups and ICT and, where appropriate, information and communication technology • Describe what they want to do using pictures and words • Make lists of materials they will need • Can they think of some ideas of their own? • Can they explain what they are making? • Can they plan an outcome through pictures with labels?	Design purposeful, functional, appealing products based on design criteria Generate, develop, model and communicate their ideas through talking, drawing, templates, mock-ups and ICT and, where appropriate, information and communication technology • Describe what they want to do using pictures and words • Make lists of materials they will need • Can they explain what they are making?
Key Skills **Technical Knowledge** **Make** **Cooking & Nutrition**	Make Select from and use a range of tools and equipment to perform practical tasks [for example, cutting, shaping, joining and finishing] Select from and use a wide range of materials and components, including construction materials, textiles, ingredients according to their characteristics • Can they arrange pieces of the construction before building? • Can they make a structure/model using different materials? • Can they cut materials using scissors or a knife (often with help)?	Technical Knowledge Build structures, exploring how they can be made stronger, stiffer and more stable Explore and use mechanisms [for example, levers, sliders, wheels and axles], in their products. • Can they explain their ideas orally? • Can they make a product which moves? • Can they identify the key features of an existing product? • Can they say why they have chosen moving parts? • Do they know how some moving objects work? • Can they use tools safely? • Can they explain which tools are they using and why?	Cooking and Nutrition Use the basic principles of a healthy and varied diet to prepare dishes Understand where food comes from. • Can they identify healthy and unhealthy meals? • Can they make a meal with a variety of healthy foods in? • Can they understand where food comes from? • Do they know the benefits of fruit and vegetables? • Do they know about basic hygiene and Safety?

	• Can they join two materials together, often with glue? • Make simple models, not necessarily with a purpose • Can they explain which tools are they using and why? • Can they use tools safely? • Can they select suitable pre-cut fabrics? • Can they join textiles together? • Can they express preferences when choosing fabrics?		
Evaluate – All Topics	Explore and evaluate a range of existing products Evaluate ideas and products against design criteria • Can they describe the materials using different words? • Use simple terms to talk about their own and others' work • Can they describe how their product works? • Can they identify success and next steps?		